comprises receiving from a user an indication of user's desire to cause establishment of the one or more communication sessions. The method further comprises accessing scheduling data associated with the user, the scheduling data comprising one or more scheduling events, each of the one or more scheduling events associated with a corresponding one of the one or more communication sessions. The method further comprises, in response to at least one of the one or more scheduling events, causing the corresponding one of the one or more communication sessions to be established with the communication device associated with the user.

[0012] According to another broad aspect of the present invention, there is provided system for handling establishment of one or more communication sessions. The system comprises a communication session handling entity, which is operable to receive from a user an indication of user's desire to cause establishment of the one or more communication sessions; access scheduling data associated with the user, the scheduling data comprising one or more scheduling events, each of the one or more scheduling events associated with a corresponding one of the one or more communication sessions; in response to at least one of the one or more scheduling events, cause the corresponding one of the one or more communication sessions to be established with a communication device associated with the user.

[0013] According to yet another broad aspect of the present invention, there is provided an apparatus for handling establishment of one or more communication sessions. The apparatus comprises means for receiving from a user an indication of user's desire to cause establishment of the one or more communication sessions. The apparatus further comprises means for accessing scheduling data associated with the user, the scheduling data comprising one or more scheduling events, each of the one or more scheduling events associated with a corresponding one of the one or more communication sessions. The apparatus further comprises means for, in response to at least one of the one or more scheduling events, causing the corresponding one of the one or more communication sessions to be established with a communication device associated with the user.

[0014] These and other aspects and features of the present invention will now become apparent to those skilled in the art upon review of the following description of specific embodiments of the invention in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0015] Embodiments of the present invention are described with reference to the following figures, in which:

[0016] FIG. 1 is a schematic diagram representing various components of a non-limiting example of an infrastructure for generating and maintaining scheduling data;

[0017] FIG. 2 depicts a system for handling establishment of a communication session according to a non-limiting embodiment of the present invention;

[0018] FIG. 3 is a schematic diagram representing a non-limiting embodiment of a service mapping maintained by a network element of FIG. 2;

[0019] FIG. 4 depicts a flow chart of a method for handling establishment of a communication session according to one non-limiting embodiment of the present invention;

[0020] FIGS. 5A-5B depict signal flows according to various non-limiting embodiments of the present invention during a stage where an indication of user's desire to establish a communication session is received;

[0021] FIGS. 6A-6C depict signal flows according to various non-limiting embodiments of the present invention during a stage where a memory for maintaining scheduling data is accessed in an attempt to retrieve at least one call parameter;

[0022] FIGS. 7A-7C depict signal flows according to various non-limiting embodiments of the present invention during a stage where a communication session is caused to be established.

[0023] It is to be expressly understood that the description and drawings are only for the purpose of illustration of certain embodiments of the invention and are an aid for understanding. They are not intended to be a definition of the limits of the invention.

DETAILED DESCRIPTION OF THE EMBODIMENTS

[0024] According to various non-limiting embodiments of the present invention, there is provided a method, system and apparatus for handling establishment of a communication session on the basis of at least one call parameter maintained within scheduling data. How such scheduling data is generated and maintained should not be used to limit the scope of the present invention. However, for illustration purposes only, several non-limiting examples of how such scheduling data can be generated will now be described with reference to FIG. 1.

[0025] FIG. 1 depicts a user 102a that can employ a computing device 104a to establish a communication session via a data network 106. The data network 106 can comprise a WAN, a LAN, a wireless data network, a combination thereof or any other suitable type of a data network. The computing device 104a can comprise a desktop computer, a laptop, a PDA, a wireless communication device and the like. Connected to the data network 106 can be a computing device 104b, which can be, for example, associated with a user 102b. The computing device 104b can be substantially similar to the computing device 104a.

[0026] Using the computing device 104a (or another computing apparatus), the user 102a may access a scheduling application. Examples of scheduling applications include, but are not limited to, Microsoft® Outlook®, Lotus Notes®, 30Boxes®, Google® Calendar, Applet iCal, Schedule World®, K-Organizer®, Lovento®, Mozilla Calendar®, Mulberry®, Novell Evolution®, Kronolith®, Simple Groupware®, Web Calendar®, Windows® Calendar, Nuvvo®, Upcoming.org, AiAi® and the like. It should be noted that the type of the scheduling application should not be used to limit the invention.

[0027] In the non-limiting embodiment depicted in FIG. 1, the scheduling application can access a scheduling server 108, which is coupled to the data network 106 and is accessible by the computing device 104a via the data network 106. In these non-limiting embodiments, once the user 102a executes the scheduling application using the communication device 104a, the communicating device 104a accesses the scheduling server 108 via the data network 106 and retrieves scheduling data to present via the scheduling application to the user 102a. This arrangement can be particularly useful in enterprise-based scheduling systems and web-based scheduling systems.